

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An electronic apparatus having a plurality of operation modes, comprising:

an internal clock unit configured to count a system time of the electronic apparatus;

an operation mode setting unit configured to set the operation modes;

a time setting unit included in the electronic apparatus and configured to set time zone information based on an input from a user for carrying out each operation mode of the electronic apparatus;

a time acquisition unit configured to periodically acquire the system time counted by the internal clock unit;

an operation mode acquisition and determination unit configured to acquire a current operation mode and to determine whether the current operation mode corresponds to a desired operation mode, based upon the time zone information set by the time setting unit and a current time the system time acquired by the time acquisition unit; and

a control unit configured to carry out an operation mode changeover to change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.

2. (Original) The apparatus according to claim 1, wherein the operation modes include a first operation mode and a second operation mode,

the apparatus has a function of turning off a monitor when no operation of the apparatus is made beyond first time in the first operation mode, and turning off the monitor when no operation to the apparatus is made beyond second time shorter than the first time in the second operation mode, and

the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to start the function of turning off the monitor at the second time shorter than the first time.

3. (Original) The apparatus according to claim 1, wherein the operation modes include a first operation mode and a second operation mode,

the apparatus has a function of turning off a hard disk drive when no access is made beyond first time in the first operation mode, and turning off the hard disk drive when no access is made beyond second time shorter than the first time in the second operation mode, and

the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to start the function of turning off the hard disk drive at the second time shorter than the first time in the specific time zone.

4. (Previously Presented) The apparatus according to claim 1, wherein the operation modes include a first operation mode and second operation mode,

the apparatus has a function of driving an optical disk drive at a first speed in the first operation mode, and driving the optical disk drive at a second speed lower than the first speed in the second operation mode, and

the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to drive the optical disk drive at the second speed lower than the first speed in the specific time zone.

5. (Canceled)

6. (Previously Presented) The apparatus according to claim 1, wherein the operation modes include a first operation mode and a second operation mode,

the apparatus has a function of controlling a drive speed of an optical disk drive, and a function of driving the optical disk at a first speed in the first operation mode and driving it at a second speed lower than the first speed in the second operation mode, and

the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to drive the optical disk drive at the second speed lower than the first speed in the specific time zone.

7. (Currently Amended) An electronic apparatus having a plurality of operation modes, comprising:

an internal clock unit configured to count a system time of the electronic apparatus;

a first setting unit configured to set the operation modes;

a second setting unit included in the electronic apparatus and configured to set a corresponding time [[zone]] zones based on an input from a user for carrying out each operation mode of the electronic apparatus;

a third setting unit configured to acquire a current operation mode; to select a desired operation mode from the operation modes based upon the time zone set by the second setting unit and a current time; and to determine whether the current operation mode corresponds to the desired operation mode; and correlate the operation modes set by the first setting unit with the time zones set by the second setting unit;

a time acquisition unit configured to periodically acquire the system time counted by the internal clock unit;

an operation mode acquisition and determination unit configured to acquire a current operation mode and to determine whether the current operation mode corresponds to a desired operation mode, based upon the correlation of the operation modes with the time zones set by the third setting unit and the system time acquired by the time acquisition unit; and

a control unit configured to carry out a changeover to change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.

8. (Original) The apparatus according to claim 7, wherein the first setting unit sets a first operation mode of turning off a monitor when no operation to the apparatus is made beyond first time, and a second operation mode of turning off the monitor when

no operation to the apparatus is made beyond second time shorter than the first time, and

the second and third setting unit operate the apparatus in the second operation mode in accordance with a specific time zone, in order to start the function of turning off the monitor at the second time shorter than the first time in the specific time zone.

9. (Original) The apparatus according to claim 7, wherein the first setting unit sets a first operation mode of turning off a hard disk drive when no access is made beyond first time, and a second operation mode of turning off the hard disk drive when no access is made beyond second time shorter than the first time in the second operation mode, and

the second and third setting unit operate the apparatus in the second operation mode in accordance with specific time zone, in order to start the function of turning off the hard disk drive at the second time shorter than the first time in the specific time zone.

10. (Previously Presented) The apparatus according to claim 7, wherein the first setting unit sets a first operation of driving an optical disk drive at a first speed, and a second operation mode of driving the optical disk drive at a second speed lower than the first speed in the second operation mode, and

the second and third setting unit operate the apparatus in the second operation mode in accordance with a specific time zone, in order to drive the optical disk drive at the second speed lower than the first speed in the specific time zone.

11. (Original) The apparatus according to claim 7, wherein the apparatus has a function of controlling operation speed of a processor and a function of controlling drive or non-drive of a cooling fan,

the first setting unit sets a first operation mode of carrying out temperature control giving priority to the drive of the cooling fan rather than the speed reduction of the processor, and a second operation mode of carrying out temperature control giving priority to the speed reduction of the processor rather than the drive of the cooling fan, and

the second and third setting unit operates the apparatus in the second operation mode in accordance with specific time zone, in order to carry out temperature control giving priority to the speed reduction of the processor rather than the drive of the cooling fan in the specific time zone.

12. (Previously Presented) The apparatus according to claim 7, wherein the apparatus has a function of controlling a drive speed of an optical disk drive,

the first setting unit sets a first operation mode of driving the optical disk at a first speed and a second operation mode of driving it at a second speed lower than the first speed in the second operation mode, and

the second and third setting unit operates the apparatus in the second operation mode in accordance with specific time zone, in order to drive the optical disk drive at the second speed lower than the first speed in the specific time zone.

13. (Currently Amended) A method of setting an operation mode of an electronic apparatus having a plurality of operation modes, comprising:

counting a system time of the electronic apparatus;

setting the operation modes;

setting time zone information based on an input from a user for carrying out each operation mode of the electronic apparatus;

periodically acquiring the counted system time;

acquiring a current operation mode;

determining whether the current operation mode corresponds to a desired operation mode based upon the time zone information and a current time the system time; and

carrying out an operation mode changeover to change to the desired operation mode if the current operation mode does not correspond to the desired operation mode.

14. (Currently Amended) A method of setting an operation mode of an electronic apparatus having a plurality of operation modes, comprising:

counting a system time of the electronic apparatus;

setting the operation modes;

~~setting corresponding time [[zone]] zones based on an input from a user for carrying out the operation modes of the electronic apparatus;~~

correlating the operation modes with the time zones;

periodically acquiring the counted system time;

acquiring a current operation mode;

~~selecting a desired operation mode from the operation modes based upon the time zone and a current time;~~

determining whether the current operation mode corresponds to the desired operation mode, based upon the correlation of the operation modes with the time zones and the system time; and

carrying out a changeover to change to the desired operation mode if the current operation mode does not correspond to the desired operation mode.

15. (Currently Amended) A computer readable recording medium recording programs for operating a computer having a plurality of operation modes as the following functional units:

an internal clock unit configured to count a system time of the computer;

an operation mode setting unit configured to set the operation modes;

a time setting unit included in the computer and configured to set time zone information based on an input from a user for carrying out each operation mode of the computer;

a time acquisition unit configured to periodically acquire the system time counted by the internal clock unit;

an operation mode acquisition and determination unit configured to acquire a current operation mode and to determine whether the current operation mode corresponds to a desired operation mode, based upon the time zone information set by the time setting unit and a current time the system time acquired by the time acquisition unit; and

a control unit configured to carry out an operation mode changeover to change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.

16. (Currently Amended) A computer readable recording medium recording programs for operating a computer having a plurality of operation modes as the following functional units:

an internal clock unit configured to count a system time of the computer;

a first setting unit configured to set the operation modes;

a second setting unit ~~included in the computer~~ and configured to set a corresponding time [[zone]] zones based on an input from a user for carrying out each operation mode of the computer;

a third setting unit configured to ~~acquire a current operation mode; to select a desired operation mode from the operation modes based upon the time zone set by the second setting unit and a current time; and to determine whether the current operation mode corresponds to the desired operation mode; and correlate the operation modes set by the first setting unit with the time zones set by the second setting unit;~~

a time acquisition unit configured to periodically acquire the system time counted by the internal clock unit;

an operation mode acquisition and determination unit configured to acquire a current operation mode and to determine whether the current operation mode corresponds to a desired operation mode, based upon the correlation of the operation

modes with the time zones set by the third setting unit and the system time acquired by the time acquisition unit; and

a control unit configured to carry out a changeover to change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.

17. (Previously Presented) The apparatus according to claim 1, wherein the plurality of operation modes include a normal operation mode, a power save mode, and a silence operation mode.